

In re: Jae-Hyun Park
Serial No.: 10/689,426
Filed: October 20, 2003
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REMARKS

In response to the Restriction Requirement of March 17, 2005, Applicant hereby provisionally elects "Species I", corresponding to Claims 1-15 and 22-29. This election is made with traverse, because Applicant respectfully submits that Claims 22-29 are generic to both Species I and Species II. Accordingly, upon allowance of any of Claims 22-29, Claims 16-21 are, by definition, in condition for allowance.

In particular, independent Claim 22 recites:

22. A Magnetic Random Access Memory (MRAM) cell comprising:
an MRAM substrate;
a magnetic resistor on the MRAM substrate; and
first and second digit lines between the magnetic resistor and the MRAM substrate and extending beneath the magnetic resistor.

Moreover, dependent Claim 27 recites:

27. An MRAM cell according to Claim 22 further comprising a merged digit line between the magnetic resistor and the MRAM substrate, extending beneath the magnetic resistor and including therein a hole beneath the magnetic resistor that defines the first and second digit lines beneath the magnetic resistor.

Claim 27 may be compared with independent Claim 16, which recites:

16. A magnetic random access memory cell, comprising:
an access MOS transistor at a predetermined region of a semiconductor substrate;
a merged digit line disposed over the access MOS transistor, the merged digit line having an opening in a predetermined region thereof;
a magnetic resistor disposed over the opening to overlap with the merged digit line, the magnetic resistor being electrically connected to a drain region of the access MOS transistor through a magnetic resistor contact hole that penetrates the opening; and
a bit line disposed over the magnetic resistor and electrically connected to the magnetic resistor, the bit line being disposed to cross over the merged digit line.

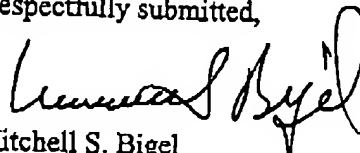
Accordingly, Claims 22 and 27 are generic to Species II. The remaining dependent Claims 23-26 and 28-29 are also generic to Species II, but will not be analyzed separately for the sake of brevity. In conclusion, for purposes of responding to this Restriction Requirement, Applicant provisionally elects Species I, corresponding to

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Claims 1-15 and 22-29. However, this election with made with traverse, because Applicant respectfully submits that Claims 22-29 are generic to Claims 1-15 and 16-21. Accordingly, Applicant respectfully requests examination and allowance of all of pending Claims 1-29.

Respectfully submitted,

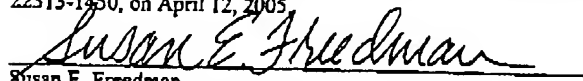


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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 12, 2005.



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Sir: Kindly acknowledge receipt of the accompanying by placing your
receiving date stamp hereon and mailing:

Response to Restriction Requirement; In re: Jae-Hyun Park; Serial No. 10/689,426;
Filed October 20, 2003; For: MAGNETIC RANDOM ACCESS MEMORY
(MRAM) CELLS HAVING SPLIT SUB-DIGIT LINES

Respectfully submitted,
MYERS BIGEL SIBLEY & SAJOVEC

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